

WHAT IS CLAIMED IS:

1. A hermetic container comprising:
 - a first substrate;
 - a second substrate disposed confronting with
 - 5 said first substrate;
 - an outer frame disposed between said first and second substrates and surrounding a space between said first and second substrates;
 - a sealing member for sealing a connection area
 - 10 between said outer frame and at least one of said first and second substrates, a space defined by said first and second substrates and said outer frame being maintained hermetic; and
 - a reinforcing member disposed outside the space
 - 15 maintained hermetic and between said first and second substrates, said reinforcing member maintaining a fixed state of a relative position of said first and second substrates,
 - wherein:
 - 20 said reinforcing member does not contact an area at which said outer frame and said sealing member contact mutually.
2. A hermetic container according to claim 1,
- 25 wherein said reinforcing member, said outer frame and said sealing member have different thermal expansion coefficients.

3. A hermetic container comprising:

a first substrate;

a second substrate disposed confronting with
said first substrate;

5 an outer frame disposed between said first and
second substrates and surrounding a space between
said first and second substrates;

a sealing member for sealing a connection area
between said outer frame and at least one of said
10 first and second substrates, a space defined by said
first and second substrates and said outer frame
being maintained hermetic; and

a reinforcing member disposed outside the space
maintained hermetic, and between said first and
15 second substrates, said reinforcing member
maintaining a fixed state of a relative position of
said first and second substrates,

wherein:

said reinforcing member does not contact an
20 area at which at least one of said first and second
substrates contacts said sealing member.

4. A hermetic container according to claim 3,
wherein said reinforcing member, at least one of said
25 first and second substrates and said sealing member
have different thermal expansion coefficients.

5. A hermetic container according to claim 1,
wherein said sealing member is made of low melting
point metal.

5 6. A hermetic container according to claim 1,
wherein said sealing member is made of frit.

7. A hermetic container according to claim 1,
wherein said reinforcing member is an adhesive member
10 for adhering said first and second substrates.

8. A hermetic container according to claim 1,
wherein said reinforcing member is a member expelling
a force acting to narrow a gap between said first and
15 second substrates.

9. An image display apparatus using the
hermetic container according to claim 1, wherein one
of said first and second substrates has an electron
20 source and the other has a phosphor member for
emitting light upon collision of electrons emitted
from said electron source.

10. A hermetic container comprising:
25 first and second substrates disposed
confronting with each other;
 a sealing member disposed in contact with each

of said first and second substrates for maintaining hermetic an internal space between said first and second substrates; and

a reinforcing member for coupling said first
5 and second substrates, said reinforcing member being disposed spaced apart from a contact area between said sealing member and each of said first and second substrates.

10 11. A hermetic container according to claim 10, wherein said reinforcing member coupling said first and second substrates is disposed outside of said sealing member.

15 12. An image display apparatus having image display means disposed in the hermetic container according to claim 10.

20 13. An image display apparatus according to claim 12, wherein said image display means includes an electron source and a phosphor member for emitting light upon collision of electrons emitted from said electron source.

25 14. A hermetic container comprising:
first and second substrates disposed confronting with each other;

an outer frame disposed between said first and second substrates;

a sealing member for sealing a space between one of said first and second substrates and said
5 outer frame, said sealing member maintaining hermetic an internal space between said first and second substrates; and

a reinforcing member for coupling said first and second substrates, said reinforcing member being
10 disposed spaced apart from a contact area between said sealing member and one of said first and second substrates.

15. A hermetic container according to claim 14,
15 wherein said reinforcing member coupling said first and second substrates is disposed outside of said outer frame.

16. An image display apparatus having image
20 display means disposed in the hermetic container according to claim 14.

17. An image display apparatus according to claim 16, wherein said image display means includes
25 an electron source and a phosphor member for emitting light upon collision of electrons emitted from said electron source.

18. A hermetic container comprising:

first and second substrates disposed
confronting with each other;

an outer frame disposed between said first and
5 second substrates;

a sealing member for sealing a space between
one of said first and second substrates and said
outer frame, said sealing member maintaining hermetic
an internal space between said first and second
10 substrates; and

a reinforcing member for coupling said first
and second substrates, said reinforcing member being
disposed spaced apart from a contact area between
said sealing member and said outer frame.

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19. A hermetic container according to claim 18,
wherein said reinforcing member coupling said first
and second substrates is disposed outside of said
outer frame.

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20. A hermetic container according to claim 18,
wherein said reinforcing member coupling said first
and second substrates is spaced apart from a contact
area between said sealing member and the one of said
25 first and second substrates.

21. A hermetic container according to claim 20,

wherein said reinforcing member coupling said first and second substrates is disposed outside of said outer frame.

5 22. An image display apparatus having image display means disposed in the hermetic container according to claim 18.

10 23. An image display apparatus according to claim 22, wherein said image display means includes an electron source and a phosphor member for emitting light upon collision of electrons emitted from said electron source.